

09408400 SANTA CLARA RIVER NEAR PINE VALLEY, UT

LOCATION.--Lat $37^{\circ}23'00''$ long $113^{\circ}28'57''$, in NW $\frac{1}{4}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 24, T. 39 S., R. 15 W., Washington County, Hydrologic Unit 15010008, in Dixie National Forest, on right bank 150 ft upstream from highway bridge, 0.6 mi downstream from Pine Valley Reservoir, 1.6 mi southeast of town of Pine Valley, and 2.5 mi upstream from Grass Valley Creek.

DRAINAGE AREA.--18.7 mi².

PERIOD OF RECORD.--July 1959 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 6,640 ft above sea level, from topographic map.

REMARKS.--Records good except those for flows less than 2.0 ft³/s and for estimated daily discharges, which are poor. Flow slightly regulated by Pine Valley Reservoir. No diversion above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 776 ft³/s Dec. 6, 1966, gage height, 6.85 ft; minimum daily discharge, 0.51 ft³/s Feb. 15, 1990.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 60 ft³/s and maximum:

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Sept. 26	0430	*310	*3.75				No other peak greater than base.
Minimum daily discharge, 0.98 ft ³ /s Oct. 11.							

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.1	1.2	e2.6	2.5	4.0	e2.4	8.6	19	7.6	3.9	3.0	2.3
2	1.1	1.2	e2.4	2.7	4.2	e2.4	8.0	18	7.4	3.8	2.9	2.8
3	1.1	1.5	e2.2	e2.5	4.1	e2.6	7.7	17	7.1	3.8	3.0	2.8
4	1.1	1.4	e2.2	e2.6	4.0	e2.6	7.1	19	6.8	3.7	4.9	3.2
5	1.1	1.3	2.6	e2.5	3.8	e2.6	6.8	21	6.8	3.6	3.6	2.7
6	1.1	1.3	2.6	e2.5	3.9	2.7	6.3	23	6.8	3.6	3.2	2.6
7	1.0	1.2	2.4	e2.6	e3.4	2.7	6.1	22	6.6	3.5	3.0	2.5
8	1.1	1.2	2.4	e2.7	e3.4	2.8	5.9	21	6.7	3.5	3.0	2.4
9	1.0	1.2	2.5	e2.8	e3.3	3.0	5.9	20	6.5	3.5	3.0	3.9
10	1.0	1.2	e2.5	e3.0	3.3	3.4	5.8	19	6.3	3.4	5.2	3.0
11	.98	1.1	e2.5	e3.2	3.2	4.3	5.5	18	6.1	3.5	3.9	2.7
12	1.0	1.1	e2.5	e3.4	3.1	5.3	5.6	19	6.0	3.4	3.4	2.5
13	1.0	1.1	e2.5	e3.6	3.2	6.0	5.4	19	5.9	3.4	3.2	2.7
14	1.1	1.1	e2.5	e3.6	e3.0	6.2	5.5	19	6.3	3.4	3.1	2.6
15	1.1	1.2	e2.3	e3.4	3.0	6.3	5.9	19	6.5	3.3	3.0	3.5
16	1.1	1.2	e2.3	3.5	3.0	6.2	6.0	19	6.0	3.3	2.9	4.0
17	1.1	1.2	e2.3	3.9	3.2	6.0	6.3	18	5.7	3.2	3.0	3.3
18	1.0	1.2	e2.3	3.4	3.1	6.1	7.9	18	5.4	3.2	2.9	3.2
19	1.1	1.2	2.8	3.5	3.2	7.0	10	17	5.2	3.2	2.9	3.1
20	1.1	1.1	2.6	3.8	3.3	9.0	14	20	5.0	3.8	2.8	2.9
21	1.1	2.4	2.5	3.9	3.2	11	19	17	4.9	3.7	2.7	2.8
22	1.1	35	2.8	3.7	3.3	11	21	16	4.8	3.6	2.7	2.7
23	1.2	14	e2.5	3.7	3.2	11	22	14	4.6	3.5	2.6	2.6
24	1.1	8.5	e2.4	3.5	3.1	10	19	14	4.6	3.3	2.6	2.6
25	1.2	6.4	e2.3	3.5	e3.0	9.4	16	12	4.5	3.2	2.5	2.7
26	1.1	5.2	2.3	4.0	3.0	8.9	15	11	4.3	3.2	2.5	76
27	1.2	4.4	2.4	3.8	3.1	8.9	16	9.8	4.2	3.2	2.4	17
28	1.4	3.9	2.3	4.1	e3.0	9.0	18	9.0	4.1	3.4	2.4	10
29	1.2	e3.0	2.2	4.0	---	10	20	8.6	4.1	3.2	2.4	7.7
30	1.2	e2.8	2.2	3.8	---	9.6	20	8.3	4.0	3.2	2.3	6.6
31	1.4	---	2.4	3.8	---	9.2	---	7.9	---	3.1	2.3	---
TOTAL	34.48	109.8	75.3	103.5	93.6	197.6	326.3	512.6	170.8	106.6	93.3	189.4
MEAN	1.11	3.66	2.43	3.34	3.34	6.37	10.9	16.5	5.69	3.44	3.01	6.31
MAX	1.4	35	2.8	4.1	4.2	11	22	23	7.6	3.9	5.2	76
MIN	.98	1.1	2.2	2.5	3.0	2.4	5.4	7.9	4.0	3.1	2.3	2.3
AC-FT	68	218	149	205	186	392	647	1020	339	211	185	376

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1960 - 1997, BY WATER YEAR (WY)

WY	MEAN	3.52	3.86	3.77	2.79	3.35	6.59	17.2	33.7	25.1	10.6	5.92	4.01
1973	MAX	12.5	21.4	30.3	5.08	8.29	24.8	43.4	122	126	47.9	23.2	12.1
1978	MIN	.84	.95	1.02	1.10	.68	1.20	1.66	4.58	2.10	1.21	1.07	1.02
1978	AC-FT	2080	1050.18	2.87	3990	2013.28	5.52	397	1983	1983	1983	1983	1983

SUMMARY STATISTICS FOR 1996 CALENDAR YEAR FOR 1997 WATER YEAR WATER YEARS 1960 - 1997

ANNUAL TOTAL	1050.18	2013.28
ANNUAL MEAN	2.87	5.52
HIGHEST ANNUAL MEAN		10.1
LOWEST ANNUAL MEAN		2.30
HIGHEST DAILY MEAN	35	Nov 22
LOWEST DAILY MEAN	.98	Oct 11
ANNUAL SEVEN-DAY MINIMUM	1.0	Oct 7
ANNUAL RUNOFF (AC-FT)	2080	3990
10 PERCENT EXCEEDS	4.8	14
50 PERCENT EXCEEDS	2.5	3.3
90 PERCENT EXCEEDS	1.1	1.2
		23
		.51
		55
		7290
		Feb 15 1990
		Feb 13 1990

e Estimated